Ref #	Hits	Search Query	DBs	Default Operat or	Plura Is	Time Stamp
L1	5	(compactor and sink\$6). clm.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:32
L2	734	sinkage	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:32
L3	16	sinkage.clm.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:34
L4	9	(sinkage near7 compact\$6)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2005/06/01 10:35

# Miller, Takisha

From:

**PLUS** 

Sent:

Wednesday, June 01, 2005 3:39 PM

To:

Miller, Takisha

Subject:

PLUS Results for 10782299

Here are the PLUS search results for 10782299.

This search was prepared by the staff of the Scientific and Technical Information Center, SIRA. If you have questions or comments about this search, please reply via email to PLUS@uspto.gov.



10782299 \_QUAL.txt 10782299 \_LIST.txt



10782299

10782299

\_WEST.txt

\_EAST.txt



10782299.

east -



10782299 \_CLS.txt





10782299 10782299 LSTITLES.\_WDS.txt PLUS Search Results for S/N 10782299, Searched June 01, 2005

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

### 10782299\_QUAL.txt

Page 1

10782299\_WEST.txt
(6122601 4284000 4492156 4554868 4992219 5217321 5217322 5243903 5333969 5397198
5439313 6000323 6241420 6749364 6059932 6059932 4257848 6122443 6131383 5016197
3911807 3899263 3853053 4273037 4966499 5341731 5795097 5823105 6139218 6237808
6379082 4314227 4776962 4902383 5012857 5217302 5356238 5401115 5402667 5483862
5549967 6013687 4372726 4557658 5302102 5575201 5988541 4273034 4302923 4348134).pn.

# 10782299\_EAST.txt

```
(6122601
4284000
4492156
4554868
4992219
5217321
5217322
5243903
5333969
5397198
5439313
6000323
6241420
6749364
6059932
6059932
4257848
6122443
6131383
5016197
3911807
3899263
3853053
4273037
4966499
5341731
5795097
5823105
6139218
6237808
6379082
4314227
4776962
4902383
5012857
5217302
5356238
5401115
5402667
5483862
5549967
6013687
4372726
4557658
5302102
5575201
5988541
4273034
4302923
4348134).pn.
```

Page 1

## 10782299\_CLS.txt Most Frequently Occurring Classifications of Patents Returned From A Search of 10782299 on June 01, 2005

```
Original Classifications
        404/121
100/229A
100/229R
202/262
404/133.1
         404/84.1
         414/517
Cross-Reference Classifications
         100/229A
100/295
100/902
         404/124
53/526
100/125
         100/145
        100/193
100/226
100/255
141/390
172/554
         201/40
         202/117
202/248
         202/270
301/44.1
         404/101
404/133.2
         414/512
Combined Classifications 7 100/229A
         100/295
100/298
100/902
404/121
         404/124
         414/517
           53/526
        100/125
100/145
100/193
100/226
100/255
         141/390
         172/554
         201/40
202/117
202/248
202/262
         202/270
         301/44.1
         404/101
404/113
404/117
         404/133.1
         404/133.2
         404/75
```

.2 404/84.1 2 414/512

# 10782299\_CLSTITLES.txt Titles of Most Frequently Occurring Classifications of Patents Returned From A Search of 10782299 on June 01, 2005

```
(2 OR, 5 XR)
  100/229A
                  100 : PRESSES
         Class
         100/214
                         RECIPROCATING PRESS CONSTRUCTION ·
                         .With transversely displaceable box, receptacle, or stationary platen
         100/229R
         100/229A
                         ... Compressing in separable container
   100/295
                   (0 \text{ OR}, 4 \text{ XR})
                  100 : PRESSÉS
         Class
         100/295
                         PLATENS OR PRESSURE SURFACES
   100/229R
                   (2 OR, 1 XR)
         Class
                  100 : PRESSES
         100/214
                         RECIPROCATING PRESS CONSTRUCTION
         100/229R
                         .With transversely displaceable box,
                            receptacle, or stationary platen
                  (0 OR, 3 XR)
100 : PRESSES
   100/902
         Class
         100/902
                         CAN CRUSHERS
   404/121
                   (3 OR, 0 XR)
                  404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
         Class
         404/83
                         APPARATUS
         404/121
                         .Sheep foot roller
3
   404/124
                   (0 \text{ OR}, 3 \text{ XR})
         class
                  404: ROAD STRUCTURE, PROCESS, OR APPARATUS
         404/83
                         APPARATUS
                       .Rotating drum, roller or tire
         404/122
         404/124
                         ..Roller periphery characteristics
                  (2 OR, 1 XR)
414 : MATERIAL OR ARTICLE HANDLING
   414/517
         Class
         414/467
414/507
                         SELF-LOADING OR UNLOADING VEHICLES
                         .Conveyor
         414/509
                         ... Comprising load-engaging element reciprocably
                              movable parallel to generally horizontal load-supporting
                              component of vehicle for ejecting load therefrom
                         ...Pusher moved by ram actuated by fluid
         414/517
                            pressure
    53/526
                   (0 \text{ or, } 2 \text{ xr})
                  053 : PACKAGE MAKING
         Class
         53/111R
                         WITH CONTENTS TREATING
         53/113
                         .Reshaping
         53/523
53/526
                         ..Compacting or stretching
                         ... Compressing with or through cover
   100/125
                   (0 \text{ OR}, 2 \text{ XR})
         Class
                  100 : PRESSES
         100/104
                         WITH DRAIN MEANS FOR EXPRESSED LIQUID
                         .Drainage through or along pressure surface ..Fixed abutment or end wall surface
         100/110
         100/125
   100/145
                   (0 \text{ or}, 2 \text{ XR})
                  100 : PRESSES
         Class
         100/144
                         CONCURRENT PRESSING AND CONVEYING
         100/145
                         .Helix-type compressor
```

#### 10782299\_CLSTITLES.txt

```
100/193
                    (0 OR, 2 XR)
          Class
                   100 : PRESSES
          100/193
                         PLURAL PRESSES
                    (0 OR, 2 XR)
.00 : PRESSES
    100/226
          Class
                   100 :
          100/214
                         RECIPROCATING PRESS CONSTRUCTION
          100/226
                         .With transversely displaceable piston or
                             movable platen
                    (0 OR, 2 XR)
    100/255
                   100 : PRESSES
          Class
          100/214
100/240
                         RECIPROCATING PRESS CONSTRUCTION
                         .Box and piston type
          100/246
                         .. Movable or removable box section
          100/252
                         ... Separable box frame sections
                         ....Hinged
          100/255
2 141/390
                    (0 \text{ OR}, 2 \text{ XR})
                   141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR
          Class
                            RECEIVER COACTING MEANS
          141/390
                         INSERTED OR EXTERNAL FORM OR PROTECTOR
2 172/554
                    (0 \text{ OR}, 2 \text{ XR})
          Class
                   172 : EARTH WORKING
          172/518
                         ROLLING, ROTATING OR ORBITALLY MOVING TOOL
          172/540
                          .Tool has circumferentially spaced teeth,
                          tines, blades or the like
..Drum with axially spaced teeth or blades
          172/554
    201/40
                    (0 \text{ OR}, 2 \text{ XR})
                   201:
          Class
                          DISTILLATION: PROCESSES, THERMOLYTIC
                         ARRANGING THE CARBONACEOUS MATERIAL IN THE
          201/40
                             CARBONIZING ZONE
                   (0 OR, 2 XR)
202 : DISTILLATION: APPARATUS
    202/117
          Class
          202/81
                         APPARATUS
          202/82
                         .Systems
          202/96
                         ...Thermolytic
          202/105
                         ...Retort
          202/117
                         ....Conveying
    202/248
                    (0 \text{ OR}, 2 \text{ XR})
                   202 : DISTILLATION: APPARATUS
          Class
          202/81
                         APPARATUS
          202/239
                         .Elements
          202/242
202/247
                         ..Closures
                         ...Horizontal retort
          202/248
                          ....Coke-oven type
٠2
    202/262
                    (2 OR, 0 XR)
                   202 : DISTILLATION: APPARATUS
          class
          202/81
                         APPARATUS
          202/239
                         .Elements
          202/262
                         .. Feeding and discharging
                    (0 OR, 2 XR)
   202/270
          Class
                   202 : DISTILLATION: APPARATUS
          202/81
                         APPARATUS
          202/270
                         .Accessories and details
```

```
10782299_CLSTITLES.txt
   301/44.1
                   (0 \text{ OR}, 2 \text{ XR})
         Class
                  301 : LAND VEHICLES: WHEELS AND AXLES
         301/5.1
                        WHEEL
         301/41.1
                        .Traction increasing
         301/43
                        ..Projecting cleat
         301/44.1
                        ...Removably attached
   404/101
                   (0 \text{ OR}, 2 \text{ XR})
                 404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
         Class
         404/83
                        APPARATUS
         404/101
                         .Material distribution means
                   (1 OR, 1 XR)
2
   404/113
         Class
                  404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
         404/83
                        APPARATUS
         404/113
                        .Means to agitate material
   404/117
                   (1 \text{ OR}, 1 \text{ XR})
         Class
                         ROAD STRUCTURE, PROCESS, OR APPARATUS
         404/83
                        APPARATUS
         404/113
                        .Means to agitate material
         404/117
                        ... Compacting roller with vibrating means
   404/133.1
                   (2 OR, 0 XR)
         class
                  404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
         404/83
                        APPARATUS
         404/133.05
                        .Tamper
         404/133.1
                         .. Manually guided
   404/133.2
                   (0 \text{ OR}, 2 \text{ XR})
         class
                  404 : ROAD STRUCTURE, PROCESS, OR APPARATUS
         404/83
                        APPARATUS
         404/133.05
                        .Tamper
         404/133.2
                         ..Attached to a disparate device
2
   404/75
                   (1 \text{ OR}, 1 \text{ XR})
         class
                  404 :
                         ROAD STRUCTURE, PROCESS, OR APPARATUS
         404/72
404/75
                         PROCESS
                         .In situ treatment of earth or roadway
   404/84.1
                   (2 OR, 0 XR)
         Class
                  404 :
                         ROAD STRUCTURE, PROCESS, OR APPARATUS
         404/83
                        APPARATUS
                         .Automatic control
..Of material leveling means
         404/84.05
         404/84.1
   414/512
                   (0 \text{ OR}, 2 \text{ XR})
         Class
                         MATERIAL OR ARTICLE HANDLING
         414/467
                        SELF-LOADING OR UNLOADING VEHICLES
         414/507
                         .Conveyor
         414/509
                         ... Comprising load-engaging element reciprocably
                             movable parallel to generally horizontal load-supporting
                             component of vehicle for ejecting load therefrom
         414/512
                         ...Plural pushers on same vehicle
```

```
ability 6
above 6
abstract 1
accelerometers 1
acceptable 1
accepted 1 accomplished 1
according 7
acctlracy 1
acctlraté 2
accumulated 2
accuracy 3
accurate 5
achieved 2
achieving 1
acmal 3
actual 10
actually 5
adding 1
addition 12
adequately 3
adjacent 3
adjustment 1
advantageously 1
advantages 1
adverse 1
affective 1
after 6
again 1
against 1
al 4
algorithm 19
algorithmts 1
all 3
allow 2
allows 2
also 16
alternatively 1 alternative 7
alternatives 1
although 9
always 1
ambient 1
among 3 amount 3
an 43
and 142
angular 1
another 16
anotherjurisdiction 1
any 8
apart 2
apparatus 1
appended 1
applicability 2
applicable 1
application 5
applications 2
applied 1
apply 1
appreciate 15
approach 3
approved 1
```

```
are 17
area 13
arq 1
arrive 3
art 20
as 76
ascertain 2
aspect 10 aspects 1
asped 1
asphalt 2
asslzred 1
assmance 1
associated 9
asstlrance 10 assttrance 2
asstzrance 3
assumnce 1
assumption 1
assumptions 2
assurance 43
assuranee 1
assuring 1 asymptotic 1
asymptotically 3
at 25
ategy 1 atld 1
attached 3
attained 1
authority 1 availability 2
available 2
average 1
avoid 2
away 1
background 1
base 125
based 17
basis 1
be 97
bearing 1
bearings 1
becomes 2
beds 2
been 10
before 3
begins 1
behind 1
being 8
below 4
bench 1
benefit 2
benefits 1
benetk 1
better 4
between 26
board 4
both 10
box 3
brief 1
but 11
by 47
```

```
calculate 2
calculating 2
calculations 1
called 1
can 56
capacity 1 carried 2
case 6
cases 1
causationally 1
caused 1
ce 2
central 1
certain 5
certified 1
change 1
changing 1
characterized 2
chassis 5
check 2
checks 1
choices 1
chosen 1
claims 1
clearance 10
closely 1
co 4
colors 1
combine 1
combining 4
come 1
comes 1
command 1
common 3
commonly 3
compacsion 1
compact 5
compacted 31
compacting 17 compaction 160
compactive 14
compactor 92
compador 1
compares 1
comparing 1
comparison 1
comparisons 1
complete 4
completed 4
completely 2 completes 1
completion 4
complexity 1 computer 3
conclusions 1
conditions 3
confidence 2
confinn 1 conkol 1
consideration 1
considered 2
consist 1
conskuction 1
```

```
constlmed 1
constmction 1
construction 19
constructions 1
consumed 1
consumption 1
contact 6
contemplated 1
contemplates 5
content 2
context 1
continue 1
continuously 6
contractor 1
control 37 controlling 1
converted 1
converter 3
coordinate 1
corcoran 1
correct 2
correlation 1
correlations 1
corresponding 1
corresponds 1
cost 2
costly 3
costs 6
could 26
coupled 1
covedng 1
covering 1
criteria 1
critical 1
current 5
currently 2
curved 2 da 1
damage 1
dashed 1
data 90
dead 1
decrease 6
deemed 1
defined 3
defonnation 1
defonuation 2
deform 1
deformation 16
delay 2
delayed 1
delays 3
delivered 9
dens 1
density 17
department 1
dependent 2
depending 3
depth 14
described 2
describes 1
description 4
desired 3
```

```
destructive 2
detailed 2
detennination 1
detennined 1
detennining 1
determination 12
determine 14
determined 15
determiner 6
determines 1
determining 19
detlection 2
device 5
devices 4
devised 1
diagrammatic 1
diagrnm 1
diagrsm 1
difference 5
different 5
differential 3
dimensional 1 direct 9
directed 1
disadvantages 1
disclosure 2
discussed 2
display 3
displayed 3
displaying 1
displays 1
distance 9
divided 2
dming 1 dnms 1
do 1
dòcument 1
documented 1
does 4
done 3
down 1
downtime 2
drawback 2
drawbacks 1
drawings 2
draws 1
drive 1
dtlring 2
due 5
during 1
dust 1
dynamic 2
dynamic 2
each 10
earlier 1
earth 2
earthen 8
earthworks 1
easily 1
ed 1
effective 32
efficiently 2
efforts 1
```

```
either 5
electronic 1
electronically 1
elevation 4
elevational 1
eliminated 2 eliminates 1
elsewhere 1
embodiment 2
emhwork 1
empirical 1
employed 1 employee 2
enable 1
encompasses 1
encountered 1
energy 30
engineering 1
entire 7
entirely 1
environment 1
equal 1 equation 2
equations 1
equivalent 1
error 2
errors 1
es 1
estimate 1
estimating 1
et 1
etc 2
even 8
ever 1
every 1
evolve 2
example 1
exhibiting 1
exist 1
exnmple 1
expect 1
expected 2
expense 2
expensive 1
experience 2
extensive 2
extremely 1
fact 1
factoring 1
factors 3 failing 1 faillzre 1
faillzres 1
failtlre 1
failtlres 2
failttrets 1
failure 4
feel 1
field 2
fig 2
figlzre 5
figtlre 2 figtzre 3
```

```
figure 8
figures 1 final 1
finally 3
find 1
finds 4
firm 1
firmness 1
first 1
flow 1
fonnat 1
for 65
form 1
format 1
forms 3
forth 1
forward 1
foundations 2
four 1
fra 1
fraction 2
from 18
fuel 1
fully 1
function 2
functional 1
further 8
future 1
gage 3
gain 1
gained 3
garnered 2
gathered 1
gathering 1
gears 1
generally 1
generate 1
generated 2
generates 1
generating 3
geotechinician 1
geotechnician 1
given_2
global 2
go 2
goes 2
gps 4
graph 2
graphical 1
graphically 1
gray 1
greater 4
grid 1
grolmd 1
grotmd 7
ground 15
grow 1
hard 3
harder 1
has 12
haste 1
hasten 1
have 5
```

```
having 2
heavily 1
heavy 4
height 1
hence 1
higher 1
homogenous 1 hostile 1
how 5
however 5
hub 1
hundreds 1
hydraulic 3 identical 1
identifying 1
if 7 il 1
illustrated 3
illustrative 1
implemented 1
improve 4
in 146
inaccurate 1
inadequate 1
inch 1
inches 1
inclinometer 1
include 6
includes 13
including 4 increase 3
increases 3
indicate 1
indicates 1
indicating 1 indication 2
indicative 9
indirect 1
industrial 1
industry 1
inefticiencies 1
infonuation 1
information 5
infrared 1
ing 1 initially 1 initiated 2
input 4
inputs 3
insight 1
insightfully 2
inspector 1
inspectors 1
instance 11
instances 5
instnnce 1
integer 1
intemction 1
intended 2
interacting 1
interaction 33
interadion 1
internal 1
```

```
into 10
invention 55
involved 1
involves 1
iowa 1
irregular 2
is 123
it 16
its 4
itself 1
ity 1
jlźrisdiction 1
job 3
jurisdiction 3
jurisdictions 1
known 13
lack 1
landfill 5
landtill 1
large 1
laser 1
lasers 1
layer 2
lead 1
leads 1
least 9
less 8
level 8
lf 1
li 1
license 1
lift 4
lifted 1
like 3
likely 3
limit 1
limited 3
line 4
liners 1
linked \overline{1}
]j 1
]n 19
load 2
loads 2
located 1
location 9
locations 4
long 1
loss 1
lt 1
ltnown 1
machine 13
machines 1
made 3
major 1
makes 1
managers 1
maneuver 1
manner 2
manual 1
many 1
mapped 2
```

```
mark 1
matemal 1
material 136
materials 4
maximum 1
may 14
mction 1
mean 1
means 8
measlzring 1
meastlre 5
meastlrement 1
meastlring 1
mèastzre Ž
meastzred 1
meastzrement 1
meastzrements 1
meastzring 2
measurably 1
measure 7
measured 5
measurement 10
measurements 4
measures 2
measuring 5
memstlre 1
merely 1
merged 2
merging 1 method 5
methods 1
might 6
mlmber 2
mnnner 2
moisture 1
monitor 3
monitored 2
monitoring 8
monitors 1
more 18
most 11
move 1
moves 10
moving 8
much 3
mud 1
must 6
nature 4
necessarily 4
necessary 1
necessazy 1
need 6
needed 2
nevertheless 6
next 4
nming 1 nmotmt 2
nmount 1
nmways 1
nnmely 1
ņo 5
non 3
```

Page 10

```
none 1
normally 1
not 18
noted 1
nothing 1
now 1
nown 1
ntlmber 1 nuclear 3
number 12
nzt 1
nzts 1
objects 1
observation 1
observations 1
observed 1
obtained 1
occtlrs 1
occtzr 1
occur 2
occurred 1
occurrences 1
occurring 1
occurs 2
of 258
off 2
often 5
om 1
on 32
onboard 1
one 22
only 8
operably 1
operate 1
operation 1
operations 1
operator 12
operators 1
opinion 1
opposite 1
or 49
order 9
orjurisdictions 1 other 17
others 1
ouality 2
ouantifung 1
ouantifying 1
ouf 1
out 13
output 2
outputted 1
over 26
overall 1
overcoming 1
own 1
owned 4
page 22
pair 1
pal 1
panel 1
parallel 1
part 3
```

```
particular 4
particularly 3
pass 12
passed 1
passes 7
past 1
patent 8
pavement 9
pavements 1
paver 1
penetration 1
penetrometer 3
per 4
perform 2
performance 2
performed 11
performing 2
period 1
periodically 1
permeability 1
person 1
phenomena 1
phenomenon 1
pi 2
place 1
plane 1
pmsses 1
portion 3
position 10
positioning 2
possibly 4
post 6
potential 5
potentially 1
power 4
powered 4
practice 2
practiced 2
pre 1
predetermined 6
predicting 1
predictions 1
predictor 1
preferably 12
preferences 1
preferred 5
prescribed 8
present 47
pressure 3
presumably 1
prevent 1
previously 1
primary 3
principals 1
prior 3
probability 1
probably 2
problematic 1
proceed 5
process 14
processes 3
processing 5 processor 1
```

```
produce 3
produced 1
produces 1
product 3
progressing 1
progrnmmed 1
project 5
promise 1
prone 1
proof 11
propelled 2
propelling 5
properly 1
proven 1
provide 3
provides 3 purposes 2
qualify 2
qualitative 1
quality 102
quanti 1
quantification 2
quantified 2
quantifies 1
quantify 3
quantifying 5
quantitative 2
quantitication 1
quantitkation 1
quantity 2
quickly 1
radar 2
radius 41
rarely 1
rate 7
rates 1 rather 1
ratio 2
re 5
reached 1
reaches 1
reading 1
real 5
realistic 2
reasons 3
recalling 1
receive 1
receiver 2
recent 1
reckoning 1
recognize 6
recognizes 10
recorded 2
reduce 2
reduced 2
reducing 2
reduction 1
refening 2
reference 3
referencing 1
referring 3
regard 3
regarding 2
```

```
region 2 related 4
relates 3
relating 1
relation 2
relationship 2
relationships 1
relative 3 relatively 2
reliability 1
reliance 2
rely 1
remáin 1
repair 1
replacing 1
representing 1
represents 1
require 4
required 5
requirement 3
requirements 6
requires 4
requiring 1 requisite 1
resistance 5
respect 1
respective 1
respectively 2
response 6
resting 1
result 13
results 3
retlecting 1
reveal 3
revolution 2
rework 2
richness 1
right 1
rigidly 1
road 3
robust 1
robustness 1
roller 47
rollers 13
rolling 21
rotatably 2
rotation 4
rotational 2
rotations 1
rs. 3
rtzt 1
rut 10
ruts 1
said 2
same 6
satellite 1
satisfactorily 2
satisfy 1 scales 1
schematic 1
schematically 1
scope 1
second 2
```

```
secondary 2
seeks 1
self 2
sense 3
sensed 1
sensing 3
sensor 9
sensors 16
sent 1
separate 1
set 4
sets 2
should 3
showing 2
shown 5
shows 2
side 3
sight 1
signals 1
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